ACC NR: AP7002744

of Be films. As regards ω_k, it is established that lamellar hexahedral crystals (Fig. 2) begin to grow at the film surface above a certain substrate temperature $T_{s.k.}$ which is a function of ω_k, and which decreases with increase in ω_k. E.g. when $\omega_k = 140$ Å/sec, $T_{s.k} \approx 500°C$ and

Fig. 2. Lamellar monocrystal of beryllium: $T_s = 320°C$, $\omega_k = 270$ Å/sec, magnified 4500 times

when $\omega_k = 270$ Å/sec, $T_{s.k} \approx 300°C$. With the aid of microdiffraction it is established that these lamellar crystals represent regular Be monocrystals with a highly perfect crystal lattice due to the reversibility of condensation processes (extensive re-evaporation of Be atoms when $T_s > \sim 300°C$), which provides the conditions for rapid correction of defects in the crystalline structure of these monocrystals. Considering the distinctness of mosaic relief on the surface of Be films, it may be assumed that these lamellar hexahedral monocrystals of Be, forming on

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ACC NR: AP7002744

condensation of its vapors in the presence of considerable supersaturations ($\omega_k \approx 100-300$ Å/sec and $T_s \approx 300-600°C$) represent the realization of the case where a layer hangs suspended above the crystal surface. The existence of an "atmosphere" of condensing atoms above the film surface apparently is a prerequisite for the formation of lamellar monocrystals and accounts for their absence when $T_s <\sim 300°C$. In conclusion, it should be noted that the surface relief of Be films points to a primarily laminar growth mechanism of condensates, with growth spirals being rarely encountered. Orig. art. has: 3 figures.

SUB CODE: 20/1/ SUBM DATE: 04Apr66/ ORIG REF: 006

Card 4/4

ACC NR: AP7005140 SOURCE CODE: UR/0126/66/022/004/0637/0639

AUTHOR: Palatnik, L. S.; Fedorenko, A. I.

ORG: Khar'kov Polytechnical Institute imeni V. I. Lenin (Khar'kovskiy politekhnicheskiy institut)

TITLE: About growth textures in beryllium condensates

SOURCE: Fizika metallov e metallovedeniye, v. 22, no. 4, 1966, 637-639

TOPIC TAGS: beryllium, thin film, crystal orientation, crystal morphology, metallographic examination, x ray analysis

ABSTRACT: The structure of beryllium layers 30-50 mm thick and condensed on hot substrates was studied. The techniques for condensing and studying these films were developed by the authors (FTT, 1965, 7, 819). Transverse cross sections were etched in a weak (<1%) aqueous solution of oxalic acid. The development of growth texture in the columnar crystals proceeded to a definite thickness h_c, after which crystals of a single orientation remained on the surface layers, growing with a constant velocity. Microstructures showed that for $h > h_c$ the crystal dimensions in the surface layer do not change, since they experience the same growth conditions as the neighboring grains. The scattering angle of the maximum growth direction of the separate crystals to the

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ACC NR: AP7005140

texture axis was less than 10° for $h > h_c$. With rise in substrate temperature (T_p), h_c increased because of decreased nuclei size: at T_p = 190°C, h_c ≈ 30 μ; at T_p = = 250°C, h_c > 80 μ. For T_p = 260-330°C micrographs of the surface showed two types of crystals, one of the [100] and the other of the [001] texture. The angle between the normal to the layer and the [001] and [100] direction (β) was given as a function of T_p for different orientations (φ) of crystallite clusters. Above 360°C, β increased sharply (to ±60° or more) for both [100] and [001] textures. Misorientation of texture depended on φ. The greatest degree of texture misorientation (β-(-β)= =120°) occurred at φ = 0, due to the equalized addition of vapor atoms to the growing velocities to dominate the growth of neighboring grains. However, at φ > 40° the perfection of the growth texture decreased. The optimum growth conditions for obtaining ideal [001] and [100] textures in beryllium layers were as follows: φ = 15--30°, T_p = 210° for [001] and T_p = 340-370°C for [100]. Orig. art. has: 3 figures.

SUB CODE: 11/ 20/ SUBM DATE: 02Feb66/ ORIG REF: 002/ OTH REF: 001

Card 2/2

FEDORENKO, A.M. (stantsiya Gatchina); KOZLOVSKIY, V.A. (stantsiya Gatchina)

We make economical use of every minute. Put' i put. khoz. no. 8:4-7 Ag '58. (MIRA 11:8)

1. Nachal'nik putevoy mashinnoy stantsii-75 (for Fedorenko).
2. Glavnyy inzhener putevoy mashinnoy stantsii-75 (for Kozlovskiy).
(Railroads--Track)

FEDORENKO, A. N.

REZNIK, A. M. (Brigadir), AREST, VI. I., BLOKH, I. M., KIKCOF, YU. A., ZAGARMISTR, A. M., KUPALOV-YAROPOLK, I. K., PETROV, K. V. TYABIN, V. YE., FEDORENKO, A. N., sostaviteli; DYUKOV, A. I., KLESHCHEV, A. I., redaktory/

(All-Union unified norms for geophysical field work) Vsesoiuznye edinye normy vyrabotki na polevye geofrafizheskie raboty. (Sostaveli: Reznik A. M. i dr. Redaktory: A. I. Diukov, A. I. Kleshchev) Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1951. 146 p. (MLRA 7:4)
(Geophysics)

FEDORENKO, A.N.

KALENOV, Ye.N.; KOMAROV, S.G.; RYABINKIN, L.A.; SOKOLOV, V.A.; FEDORENKO, A.N.; SOROKIN, L.V., professor, doktor fiziko-matematicheskikh nauk, redaktor [deceased]; PERSHINA, Ye.G., vedushchiy redaktor; POLOSINA, A.S., tekhnicheskiy redaktor.

[General course in the geophysical methods of prospecting for petroleum and gas deposits] Obshchii kurs geofizicheskikh metodov razvedki neftianykh i gazovykh mestorozhdenii. Izd. 2-e, ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1954. 457 p. [Microfilm] (MLRA 8:1)

(Petroleum geology) (Prospecting--Geophysical methods)

40216

S/169/62/000/007/021/149
D228/D307

3.9300

AUTHOR: Fedorenko, A. N.

TITLE: Seismic station with a magnetic method of recording

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 7, 1962, 20-21, abstract 7A137 (V sb. Sostoyaniye i perspektivy razvitiya geofit. metodov poiskov i razvedki polezn. iskopayemakh, M., Gostoptekhizdat, 1961, 263-271)

TEXT: Two types of seismic stations with a magnetic means of recording are considered. The type ССМ-57 (SSM-57) seismic station is an apparatus, capable of recording and reproducing without the enlistment of the usual seismic stations. The recording is made simultaneously on 24 channels, the reproduction being made alternately on one channel. A direct means of recording with high-frequency superposed magnetization and a drum method of moving the magnetic tape with a recording duration of 4.5 sec are used in this apparatus. The equipment's dynamic pitch reaches 50 db. The instability of the rate of the magnetic tape's movement amounts to 0.1%.

Card 1/2

Seismic station with ...

S/169/62/000/007/021/149
D228/D307

The type ППМЗ-2 (PPMZ-2) seismic station has 25 recording channels. A normal seismic station has to be employed to reproduce the recordings. A direct means of recording and a drum method of magnetic tape movement are used in the PPMZ-2 apparatus. In view of this equipment's substantial defects new devices of an analogous type have been developed to take its place. One of them is a ПМЗ-3 (PMZ-3) recording device; it uses the roll method of magnetic tape movement, which ensures a practically unlimited duration of recording. This recording device ensures that the dynamic pitch reaches 50 db, and that the instability of the rate of the magnetic tape's movement is 0.1%. [Abstracter's note: Complete translation.]

Card 2/2

FEDORENKO, A.N.

Optimum characteristics of magnetic seismic recording. Prikl. geofiz. no.33:3-24 '62. (MIRA 15:10)
(Seismometry)

FEDORENKO, A.N.

Magnetic tape for seismic recording. Prikl. geofiz. no.33:60-72 '62. (MIRA 15:10)

(Seismometry—Equipment and supplies)

FELORENKO, A.N., nauchn. red.; ZIMMENSKIY, V.I., red.; SERGEYEV, N.A., red.

[Exhibition on "Seismic prospecting methods"; a catalogue: Work methods. Apparatus and equipment] Tematicheskaia vystavka, "Seismicheskie metody poiskov i razvedki poleznykh iskopaemykh"; katalog: Metodika rabot. Apparatura i oborudovanie. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1963. 91 p. (MIRA 17:11)

1. Moscow. Vys[illegible]a dostizheniy narodnogo khozyaystva [illegible]. Pavil'on "Geolo[illegible]iya."

Magnetic seismic recording (Magnitnaya seysmicheskaya zapis') Moscow

frequency modulation. Considerable attention is given to the distortions to which seismic signals are subject in recording and reproduction. The [illegible]

[illegible]

[illegible] on magnetic tape — 7
[illegible] reproduction — 47
[illegible] magnetic tapes — 66
[illegible] basic technical characteristics of recording and reproduction — 73
[illegible] seismic [illegible]
[illegible] magnetic recording in seismic [illegible]

NO REF SOV: 041 OTHER: 019

EWT(1)/EWA(h) Peb GW

seismic wave, magnetic recording

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ACCESSION NR: AP5008209

elongated gear of the printing mechanism fits. To maintain strictly constant [illegible] and diminution in electrical power requirements, [illegible]

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[illegible]TED: 24Dec59 ENCL: 00 [illegible] SUB CODE: [illegible], DP

NO REF SOV: 000 OTHER: 000

Card 2/2

FEDYNSKIY, V.V., otv. red.; POLSHKOV, M.K., zam. otv. red.; BORISOV, A.A., red.; NEVOLIN, N.V., red.; KROLENKO, I.I., red.; FEDORENKO, A.N., red.

[Geological results of applied geophysics] Geologicheskie rezul'taty prikladnoi geofiziki. Moskva, Nedra, 1965. 292 p. (Mezhdunarodnyi geologicheskii kongress. Doklady sovetskikh geologov. Problema 2) (MIRA 18:5)

1. Natsional'nyy komitet geologov Sovetskogo Soyuza.

FEDOHENKO, A.P.

Birds as destroyers of beet weevils. Dop. UN URSR no.2:200-204 '56.
(MLRA 9:12)

1. Institut zoologii Akademii nauk URSR. Predstavleno akademikom Akademii nauk USSR V.G. Kas'yanenko.
(Beet pests)

FEDORENKO, A. P., Cand of Bio Sci -- (diss) "Birds of the Forest-Steppe area of Ukrainian SSR and their role in limiting the number beet weevils." Kiev, 1957, 15 pp (Institute of Zoology, Academy of Sciences UkSSR), 100 copies (KL, 35-57, 107)

AUTHOR: Fedorenko, A.P. SOV/21-58-10-26/27

TITLE: The Wintering of Numenius Arquata L. in the Ukraine (Zimovka bol'shogo kronshnepa (Numenius arquata L.) na Ukraine)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 10, pp 1139-1140 (USSR)

ABSTRACT: In addition to existing information that birds of the species Numenius arquata L. winter in the Transcaucasian region and in the lower flow of the Atrek, the author's observations established that another place of their wintering is the Danube delta. This paper describes the sojourn of the species in the Ukraine and lists some new northern points for their wintering within the USSR.

Card 1/2

The Wintering of Numenius Arquata L. in the Ukraine SOV/21-58-10-26/27

ASSOCIATION: Institut zoologii AN UkrSSR (Institute of Zoology of the AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, V.G. Kas'yanenko

SUBMITTED: May 9, 1958

NOTE: Russian title and Russian names of individuals and Institutions appearing in this article have been used in the transliteration

1. Birds--Survival factors

Card 2/2

30(1) SOV/21-59-9-19/25

AUTHOR: Fedorenko, A.P.

TITLE: The Effect of Birds on the Density of Occurrence of Beet Pests in the Soil

PERIODICAL: Dopovidi Akademiyi nauk Ukrayins'koyi RSR, Nr 9, 1959, pp 1011-1014 (USSR)

ABSTRACT: In this article the author discusses the effect of birds on the density of occurrence of beet pests in soil, basing his statements on the material he collected when investigating the fields of 230 collective farms. The examined area amounted to 41,046 hectares and was located near to and at a certain distance from the bird colonies. The density of occurrence of beet pests depends on the character of the soil (the occurrence is different even within the limits of a region, and sometimes even of a plantation) on the climatic conditions, on the intensity of fighting the pests, on agrotechnical measures, etc. The author's examinations also enabled him to establish the fact that birds too,

Card 1/3

SOV/21-59-9-19/25

The Effect of Birds on the Density of Occurrence of Beet Pests in the Soil

markedly influence the density of occurrence of beet pests in soil. The examinations of farms far from bird colonies showed an average density of occurrence of 7.84 pests per square meter, on farms located near forest stands 5.91 pests per square meter and on farms near bird colonies 4.92 pests per square meter. To a certain extent, such correlation can be made apparent within regions and even collective farms whereby a part of the farms is near the places of concentration of birds and a part of them located at a certain distance from such places. Although the density of occurrence of beet pests is not solely affected by birds, but also by many other factors, the role played by birds in this respect is very important. Thus, the protection and attraction of birds in the regions of beet farms as well as the creation of favorable living conditions for numerous bird species in these areas, will enable a more rational utilization of them in fighting the pests. Such a measure will again result

Card 2/3

SOV/21-59-9-19/25

The Effect of Birds on the Density of Occurrence of Beet Pests in the Soil

in a considerable cutdown of the expenses for pest fighting. There are 2 tables.

ASSOCIATION: Instytut zoologiyi AN URSR (Institute of Zoology of the AS of UkrSSR)

PERIODICAL: By V.H. Kas'yanenko, Member, AS UkrSSR

SUBMITTED: March 6, 1959

Card 3/3

FEDOCHENKO, A., kand.biol.nauk

Winter sleep. Znan.ta pratsia no.12:27 D '59. (MIRA 13:4)

(Hibernation)

FEDORENKO, A.P.; TKACHENKO, A.I.

Effect of DDT and benzene hexachloride dusts on partridges. Dop. AN URSR no.7:974-977 '60. (MIRA 13:8)

1. Institut zoologii AN USSR. Predstavleno akademikom AN USSR V.G. Kas'yanenko [V.H.Kas'ianenko].
(Partridges) (Insecticides)

FEDORENKO, A.P.

History of the use of banding in studying migrations of birds in the Ukraine. Zbir. prats' Zool. muz. AN URSR no. 29:12-18 '60. (MIRA 14:4)

(Ukraine—Birdbanding)

FEDORENKO, A.P.

The hazard of benzene hexachloride and DDT poisoning endangering commercially hunted animals. Zbir. prats' Zool. muz. AN URSR no. 29:49-50 '60. (MIRA 14:4)
(Insecticides—Toxicology) (Game protection)

FEDORENKO, A.P., kand.biolog.nauk

Migration of birds. Nauka i zhyttia 10 no.3:37-38 Mr '60. (MIRA 14:8)

(Birds--Migration) (Birdbanding)

FEDORENKO, A.P.

Work of the gynecological examination for the early detection of cancer and gynecological diseases. Ped., akush. i gin. 22 no.5: 57-59 '60. (MIRA 15:6)

1. 2-ya gorodskaya bol'nitsa (glavnyy vrach - K.A. Volzheva) Oktyabr'skogo rayona g. Kiyeva.
(CANCER--DIAGNOSIS)
(GYNECOLOGY)

FEDORENKO, A.P.

Fourth All-Union Conference on the Protection of Nature. Dop. AN URSR no.2:271-272 '62. (MIRA 15:2)
(Natural resources—Congresses)

FEDORENKO, A.P.

Resistance of warm-blooded animals to the herbicide 2,4-D. Zbir. prats' Zool.mus. AN URSR no.31:89-91 '62. (MIRA 17:2)

FEDORENKO, A.P.

Unity of science and practice. Priroda 52 no.3:69 '63. (MIRA 16:4)

1. Komissiya po okhrane prirody AN UkrSSR, Kiyev.
(Ukraine—Wildlife, Conservation of)
(Insecticides—Toxicology)

FEDORENKO, A. S.

36983. K Voprosu o Vliyanii Primenennogo Dlya Lecheniya Gonorrei Penitsillina Na Spermatogenez. Uchen. Zapiski (L'vovsk. Nauch.-issled. Kozhno-venerol. In-t), t. II, 1949, c. 41-45

SO: Letopis' Zhurnal'nykh Statey, Vol 50, Moskva, 1949

FEDORENKO, A. S.

36984. Parafinoterapiya Gonorroynykh Epididimitov. Uchen. Zapiski (L'vovsk. Nauch.-issled. Kozhno-venerol. In-t), t. II, 1949, c. 46-50

SO: Letopis' Zhurnal'nykh Statey, Vol 50, Moskva, 1949

FEDORENKO, A.S., podpolkovnik meditsinskoy sluzhby

Military medical expert examination of servicemen with respiratory diseases of nontuberculous etiology. Voen.-med. zhur. no.8:54-56 '64. (MIRA 18:5)

FEDOHENKO, A.V., inzh.

Combination of wire-broadcasting and telecommunication equipment in Lvov Province. Trudy Sekt.radiofik. i VRS Ukr. NTORIE no.3:35-43 '56. (MIRA 12:1)

(Lvov Province--Telecommunication)

SOV/111-59-2-13/27

6(7)

AUTHOR: Fedorenko, A.V., Chief

TITLE: How We are Achieving Complete Radiofication of the Oblast' (Kak my dobivayemsya sploshnoy radiofikatsii oblasti)

PERIODICAL: Vestnik svyazi, 1959, Nr 2, pp 20-22 (USSR)

ABSTRACT: The article describes the course and means of radiofication of the L'vov Oblast' in the Ukraine. The author states that 72.5% of the overall number of households in the Oblast' are now equipped with radio, and that 10 of the 27 rayony are completely radiofied. The original plan for complete radiofication of the Oblast' was worked out by the provincial communications administration and DRTS late in 1957, and necessary funds were made available early the following year. The plan as a whole for 9 months of 1958 was fulfilled by 115%, and in the villages by 118.4%. At present there are only 15 radio broadcasting centers (uzly) attached to collective farms (kolkhozy).

Card 1/4

SOV/111-59-2-13/27

How We are Achieving Complete Radiofication of the Oblast'

Socialist competition has developed in the district communications bureaus, and in the L'vov city broadcasting center to see who can get the most applications for radio set installations, 6200 of which were collected - 3200 by Komsomol members. Supervisors of the district communications bureaus receive a bonus of 6 rubles for each radio installation over and above the assigned number, and those who installed more than 25 in a month were awarded 75-100 rubles. The project is widely popularized through the press and radio. The Oblast Party committee (obkom) decided in July, 1958 to complete radiofication of the Oblast' by September 17, 1959. In the city of L'vov, in the fall of 1958, a month-long campaign for radiofication of the city was started by Komsomol, and awards were made to the Komsomol and school collectives competing in the campaign. In October 800 applications were collected in L'vov, and in 20 days of November 900 in the city, and 1200 in the Oblast'. In honor of the 21st Party Congress the campaign was continued. Long term credit

Card 2/4

SOV/111-59-2-13/27

How We are Achieving Complete Radiofication of the Oblast'

of 400,000 rubles has been granted the kolkhozy by the Oblast' executive committee (oblispolkom). In November 1958 it was decided to develop socialist competition among the communications workers collectives, Komsomol members, and party organizations of the kolkhozy. For a ten month period the plan for the development of radiofication has been fulfilled by 105.6%, including 105% in the village. The author enumerates several substantial shortcomings in the work of radiofication. He points out that while the extent of radiofication lines is constantly growing, staffs remain at the 1945-1950 levels. One special problem in the western Oblast's of the Ukraine is the scattered nature of the populated areas, which demands a great quantity of materials, particularly PRVPM type cable. The author concludes with a few remarks on the collection of subscription fees from set owners in the kolkhozy. Comrades Koval', Secretary of the Oblast' Party committee (obkom), Kulik, Secretary of the Komsomol obkom, Shulyak, Manager of the division of transport and communication of the

Card 3/4

SOV/111-59-2-13/27

How We are Achieving Complete Radiofication of the Oblast'

L'vov Oblast' Party committee, Sobko, Chief of the Oblast' communications administration, Yelovskiy, Secretary of the Krasnen rayon Party committee, and Slyusarenko, Secretary of the Oblast Party committee, took part in the work of Oblast radiofication. There are 3 photographs.

ASSOCIATION: L'vovskaya oblastnaya direktsiya radiotranslyatsionnoy seti (The L'vov Oblast Board of Directors of the Rebroadcasting Network)

Card 4/4

FEDORENKO, A. Ya.

DYKHANOV, N.N.; [redacted] Ya.; PRNYN, N.G.

Synthesis of 2,4-diphenylpyrazolidinedione-3,5 (ozadrine). Med.prom. 12 no.2:21-24 F '58. (MIRA 11:3)

1. Khimiko-farmatsevticheskiy zavod "Akrikhin" i Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.
(PYRAZOLIDINEDIONE)

KUCHEROV, Ye.V., kand. sel'skokhozyaystvennykh nauk; FEDORENKO, B.I., kand. sel'skokhozyaystvennykh nauk

Trout in Bashkiria. Priroda 53 no.7:124-125 '64. (MIRA 17:7)

1. Komissiya okhrany prirody pri Prezidiume Bashkirskogo filiala AN SSSR, Ufa.

Fedorenko, B.V.

44-1-29

TRANSLATION FROM: Referativnyy zhurnal, Matematika, 1957, Nr 1, p 4 (USSR)

AUTHOR: Fedorenko, B.V.

TITLE: Some Information for a Biography of N.I. Labechevskiy (Nekotoryye svedeniya k biografii N.I. Lobachevskogo)

PERIODICAL: V sb.: Istoriko-Matem. issledovanyya, Nr 9, Moscow, Gostekhizdat, 1956, pp 65-75

ABSTRACT: Documents are presented which pertain to N.I. Lobachevskiy's father. They were found by the author in the Central State Archives of Old Records, and include the petition of the 16-year-old Ivan Maksimovich Lobachevskiy for admission as a clerk in the surveying office, his certificate of origin, the decisions of the surveying office concerning his employement, etc.

B.L. Laptev

Card 1/1

FEDORENKO, B. V. Cand Phys-Math Sci -- (diss) "The Teaching Years of ~~Teaching Activity~~ of N. I. Lobachevskiy ~~Lobachewsky~~ and His First Geometric Studies." Len, 1957. 8 pp 22 cm. (Academy of Sciences USSR, Inst of the History of Natural Sciences and Technology ~~Engineering~~), 110 copies (KL, 26-57, 104)

FEDORENKO, B.V.

School years of N.I. Lobachevskii and his first studies in geometry. Trudy Inst.ist.est.i tekh. 17:163-228 '57. (MLRA 10:7)
(Lobachevskii, Nikolai Ivanovich, 1792-1856)

FEDORENKO, D. and MIKHAYLOV, A.

"Movable Electric Power Stations for Moving Picture Installations," three articles - Kinomekhanik, Nos. 1-3-4, 1952

FEDORENKO, D.

Coating the connective rod and bearings with babbitt metal. Kinomekhanik no.7:33-34 Jl '53. (MLRA 6:8)

(Bearing (Machinery)) (Babbitt metal)

FEDORENKO, D.

Preparation of power generators and mobile motion-picture equipment for winter work. Kinomekhanik no.11:23-27 N '53. (MLRA 6:11)
(Gas and oil engines)

FEDORENKO, D., sushil'shchitsa

Spirited work. Sov.shakht. 10 no.9:26-27 S '61. (MIRA 14:8)

1. Baydakovskaya briketnaya fabrika, g. Aleksandriya, USSR. (Ukraine--Briquets(Fuel))

FEDORENKO, D. M.

37456. Kolkhozy poltavskoy oblasti dosrochno vypolnyayut godovoy plan razvitiya zhivotnovodstva. Sots. zhivotnovodstvo, 1949, No. 8, s. 59-62.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

ROZHANSKIY, Z.Ye.; SHRAMKO, Yu.S.; FEDORENKO, F.A.; LYSIKOV, A.N.

Central signaling networks using telephone relays with overlapping contacts. Prom.energ. 16 no.11:33-34 N '61. (MIRA 14:10)
(Electric networks) (Electric relays)

MAL'NEV, P.P. [Mal'niev, P.P.], inzh.; FEDORENKO, F.G. [Fedorenko, F.H.], inzh.

Self-sharpening segments of a cutting apparatus. Mekh. sil'.hosp. 14 no.7:8 Jl '63. (MIRA 17:2)

FEDORENKO, G.I.

Crushing of blast furnace charge materials. Izv. vys. uchab. zav.; chern. met. 7 no.2:42-48 '64. (MIRA 17:3)

1. Dnepropetrovskiy metallurgicheskiy institut.

SIVERSTEV, I.I.; BALITSKAYA, A.K.; FEDORENKO, G.G.

Studying the pharmacological properties of actinomycin K. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 3:21-41 '59. (MIRA 13:2)

(ACTINOMYCIN)

SIVERTSEV, I.I.; BALITSKAYA, A.K.; FEDORENKO, G.G.

Reaction of the blood pressure and respiration in dogs following the intravenous use of solutions of actinomycin K; preliminary report. Izv. AN Kazakh. SSR. Ser. med. i fiziol. no. 1:54-59 '60. (MIRA 13:10)

(BLOOD PRESSURE) (RESPIRATION) (ACTINOMYCES)

BALITSKAYA, A.K.; VETLUGINA, L.A.; FEDORENKO, G.G.

Production of tselikomycin in an experimental installation; preliminary results. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 4:19-25 '61. (MIRA 14:4)

(ACTINOMYCIN)

FEDORENKO, G.G.; IL'CHENKO, M.A.

Characteristics of growth and development of strain 1321 of Actinomyces antocyaneus under the conditions of the submerged cultivation of antibiotic. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 5:14-21 '61. (MIRA 15:4)

(Actinomyces)

BALITSKAYA, A.K.; FEDORENKO, G.G.

Preliminary research data on the toxicity of the antibiotic 1321. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 5:22-25 '61. (MIRA 15:4)

(Antibiotics)

FEDORENKO, G.G.; SARTBAYEVA, U.A.; IL'CHENKO, M.A.

Formation of the antibiotic 1321 in different culture media. Trudy Inst.mikrobiol.i virus.AN.Kazkah.SSR 6:69-73 '62. (MIRA 15:8)
(ANTIBIOTICS) (BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

SARTBAYEVA, U.A.; FEDORENKO, O.G.; IL'CHENKO, M.A.

Dynamics of the accumulation of the antibiotic substance produced by the strain 1321. Trudy Inst.mikrobiol.i virus.AN Kazkah.SSR 6:74-77 '62. (MIRA 15:8)

(ANTIBIOTICS) (ACTINOMYCES)

BALITSKAYA, A.K.; FEDORENKO, G.G.

Therapeutic properties of coelicomycin as related to its action on the causative agent of infection in vitro. Trudy Inst. mikrobiol. i virus. AM Kazakh. SSR 7 :83-89 '63 (MIRA 16:12)

BALITSKAYA, A.K.; FEDORENKO, G.G.

Therapeutic properties of celiocuyain as related to its action on the causative agent of an infection in vitro. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR. 8:117-120 '65. (MIRA 18:11)

FEDORENKO, G.G.; ZHARDETSKAYA, N.K.

Cytological study of the development of Actinomyces coelicolor, strain 17. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR. 8: 75-85 '65. (MIRA 18:11)

SLIN'KO, N.F.; FEDORENKO, G.I.

Increasing the durability of tapping hole and trough refractories. Metallurg 6 no.5:7-9 My '61. (MIRA 14:5)

1. Zamestitel' nachal'nika domennogo tsekha Krivorozhskogo metallurgicheskogo zavoda (for Slin'ko). 2. Master domennoy pechi Krivorozhskogo metallurgicheskogo zavoda (for Fedorenko).
(Blast furnaces—Equipment and supplies)
(Refractory materials)

ZAGREBA, A.V.; SLINK'KO, N.F.; FEDORENKO, G.I.

Calculation and correction of the burden during the blast furnace process. Metallurg 6 no.10:1-7 O '61. (MIRA 14:9)

1. Krivorozhskiy metallurgicheskiy zavod. 2. Nachal'nik domennogo tsekha Krivorozhskogo metallurgicheskogo zavoda (for Zagreba). 3. Zamestitel' nachal'nika domennogo tsekha Krivorozhskogo metallurgicheskogo zavoda (for Slin'ko). 4. Master Krivorozhskogo metallurgicheskogo zavoda (for Fedorenko).

(Blast furnaces--Equipment and supplies)

ZAGREBA, A.V.; SLIN'KO, N.F.; FEDORENKO, L.I.

Blowing-out and the operations of a blast furnace with a 2000 m^3 capacity. Metallurg 7 no.1:8-13 Ja '62. (MIRA 15:1)
(Blast furnaces)

FEDORENKO, G. I.; GOTLIB, A. D., rukovoditel' raboty

Investigating volumetric irregualrity in the distribut'on of materials in the small bell receiving funnel in various capacity blast furnaces. Izv. vys. ucheb. zav.; chern met 7 no. 4:26-30 '64. (MIRA 17:5)

1. Dnepropetrovskiy metallurgicheskiy institut.

FEDORENKO, G. I.

Distribution of materials by their granulometric composition in the hopper of the small bell. Izv. vys. ucheb. zav.; chern. met. 7 no.6:17-22 '64. (MIRA 17:7)

1. Dnepropetrovskiy metallurgicheskiy institut.

FEDORENKO, G.I.; GOTLIB, A.D., doktor tekhn. nauk, prof., rukovoditel' raboty

Effect of the granulometric composition of the charge mixture of the shape of the charge surface in furnaces. Metallurg 10 no.8: 9-11 Ag '64. (MIRA 17:11)

1. Dnepropetrovskiy metallurgicheskiy institut (for Fedorenko).

FEDORENKO, G.I., inzh.; GOTLIB, A.D., prof., doktor tekhn.nauk, rukovoditel'raboty

Fanning the small fraction in blast furnace hearths. Stal' 23 no. 3:211-212 Mr '64. (MIFA 17:5)

1. Dnepropetrovskiy metallurgicheskiy institut (for Fedorenko).

L 46023-66 EWT(d)/EWP(1) IJP(c) GD/BC

ACC NR: AT6017610 (N) SOURCE CODE: UR/0000/65/000/000/0083/0092

AUTHOR: Kozlov, M. S.; Fedorenko, G. I.

ORG: none

20
B+1

TITLE: Dynamics of an adaptive flight control system which retains a given stability margin

SOURCE: Vsesoyuznaya konferentsiya po teorii i praktike samonastraivayushchikhsya sistem. 1st, 1963. Samonastraivayushchiyesya sistemy (Adaptive control systems); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 83-92

TOPIC TAGS: automatic flight control, automatic control stability, automatic spacecraft control, programmed automatic control

ABSTRACT: A detailed analysis of adaptive control systems operating on the principle of comparing the lowest and highest parts of the frequency spectrum of the control loop signals is presented. A block diagram and a root locus graph of an angular velocity control system, and an adaptive loop are presented. The adaptive loop includes low and high pass filters with detectors. When the stability limit is approached, the energy of the highest part of the frequency spectrum of the error signal increases and the detected signal from the high pass filter dominates. This causes the generation of a control signal which decreases the forward loop gain of the control system. An

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ACC NR: AT6017610

opposite operation is produced whenever the system is too far away from the stability limit. A detailed computational and graphical analysis of the change of the transfer function over the frequency spectrum is presented, including consideration of random disturbances. The same method may be applied to the control of several parameters. A block diagram and computed results are presented for a system with two controlled parameters. Orig. art. has: 11 figures, 10 formulas.

SUB CODE: 13,01,09/ SUBM DATE: 22Nov65/ OTH REF: 001

Card 2/2 fv

FEDORENKO, G.Ya. [Fedorenko, H.IA.]; KAPUSTYAK, S.M.; GNIDETS', I.R. [Hnidets', I.R.]; BODGANOVA, N.L. [Bohdanova, N.L.]

Use of bactericidal lamps in the pharmacy practice. Farmatsev. zhur. 16 no.4:11-14 '61. (MIRA 17:6)

1. Kafedra tekhnologii lekarstv (zaveduyushchiy kafedroy dotsent Yu.O. Karpenko), kafedra mikrobiologii (zaveduyushchiy kafedroy dotsent M.M. Muzyka) L'vovskogo meditsinskogo instituta i Apteka No.1 g. L'vova (upravlyayushchaya N.L. Bogdanova [Bohdanova, N.L.]).

FEDORENKO, I., agronom; MATVEYEV, S.; NUZHNAYA, A.; BISENGALIEYV, K.

For those in the field. Sov.profsoiuzy 17 no.11:40 Je '61. (MIRA 14:5)

1. Chlen rabochkoma Kalalskogo sovkhoza (for Matveyev). 2. Instruktor Alma-Atinskogo oblsovprofa (for Nuzhanaya). 3. Neshtatnyy korrespondent zhurnala "Sovetskiye profsoyuzy" (for Bisengaliyev).
(Kazakhstan--State farms)

KRYZHKO, I.; FEDORENKO, I.

Technical progress dictates. Prof.-tekh.obr. 22 no.5:6-7 My '65. (MIRA 18:5)

1. Donetskiy nauchno-issledovatel'skiy ugol'nyy institut.

FEDORENKO, I.A. [Fedorenko, I.O.]; SABINEVSKIY, B.V. [Sabinevs'kyi, B.V.]

Bird lice of gulls nesting on islands of the Tendra Bay of the Black Sea. Zbir. prats. Zool. mus. AN URSR no.32:64-72 '63. (MIRA 16:11)

MAZURMOVICH, B.N., otv. red.; BOSHKO, G.V., red.; GUSHCHA, G.I., red.; SMORGORZHEVSKAYA, L.A., red.; FEDORENKO, I.A., red.; ANDRIYCHUK, M.D., red.; KAS'YAN, S.N., red.

[Parasites and parasitoses in man and animals] Parazity i parazitozy cheloveka i zhivotnykh. Kiev, Naukova dumka, 1965. 411 p. (MIRA 18:9)

1. Akademiya nauk URSR, Kiev. 2. Kiyevskiy gosudarstvennyy universitet (for Mazurmovich). 3. Institut zoologii AN Ukr.SSR (for Boshko).

FEDORENKO, I.A.; SREBRODOL'SKAYA, N.I.

Bird lice of swamp and water birds in the Western Polesye. Trudy Ukr. resp. nauch. ob-va paraz. no. 3:227-232 '64 (MIRA 19:1)

1. Institut zoologii AN UkrSSR (for Fedorenko). 2. L'vovskiy gosudarstvennyy universitet imeni Franko (for Srebrodol'skaya).

FEDORENKO, I. D.

24120 FEDORENKO, I. D. Sposoby orosheniya v tsentral'no-chernozemnykh oblastyakh. Gidrotekhnika i melioratsiya, 1949, No. 1, S. 26-39.

SO: Letopis, No. 32, 1949.

FEDORENKO, I. D.

33266. Vnutrikolkhoznyy Plan Vodopol'zovaniya V Ucloviyakh Travopol'noy Sistemy Zemledeliya. Gidrotekhnika I Melioratsiya, 1949, No. 4, C. 12-24.

SO: Letopis' Zhurnal'nykh Statey, Vol.35, moskva, 1949

FEDORENKO, I. D.

PA 1/50T2

USSR/Agriculture - Irrigation Sep 49

"The Problem of Irrigation of Agricultural Crops in the Central Regions of the Black Soil Belt," I. D. Fedorenko, Cand Agr Sci, All-Union Sci Res Inst of Hydromech and Melioration, 6 pp

"Dok v-s Ak Selkhoz Nauk" No 9

Irrigation by sprinkling is the best method for grain and other crops. Combined with trenching it consumes 400-600 cu m per hectare as against 1,200-1500 by flooding. The most efficient method of trenching is to utilize the furrows for seeding. For black earth the trenches should be 60-70 cm

1/50T2

USSR/Agriculture - Irrigation (Contd) Sep 49

apart, for dark gray earth 60-75. Measurements are given for trenching various types of earth. Use of conduits is important.

1/50T2

FEDORENKO, I. D.

Irrigation of agricultural crops in the central chernozem belt. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1954. 308 p. maps (55-35643)

SB112.F4

FEDORENKO, IVAN DMITRIYEVICH

OROSHENIYE SEL'SKOKHOZYAYSTVENNYKH KUL'TUR V TSENTRAL'NO-CHERNOZEMNOY POLOSE [IRRIGATING AGRICULTURAL CROPS IN THE CENTRAL BLACK EARTH BELT, BY] I.D. FEDORENKO I V.M. SHELENKOV. 2.IZD. MOSKVA, SEL'-KHOZGIZ, 1957.
202 P. ILLUS., DIAGRS., GRAPHS, MAPS, TABLES.

FEDORENKO, I.D., kandidat sel'skokhozyaystvennykh nauk; ZHURAVEL', I.V., kandidat tekhnicheskikh nauk.

Experience with introducing the method of irrigating from ditches in the central provinces collective farms. Gidr. i mel.9 no.2:20-31 F '57. (MLRA 10:3)

(Irrigation)

FEDORENKO, I. I., Cand. Tech. Sci. (diss) "Investigation of settings of Bearings in Connecting Rods of Engine D-54," Moscow-Plyushchevo, 1961, 19 pp. (Combined Sci. Council All-Union Sci. Res. Inst. Mechaniz. of Agri, "VIM" and VNII Electrification of Agri. "VIESKh") 150 copies (KL Supp 12-61, 275).

FEDORENKO, I. N. Cand Agr Sci -- (diss) "Methods of Increasing the ~~Harvest of Maize in~~ Corn yields under the Conditions of ~~the~~ Novo-Kubanskiy Rayon of ~~the~~ Krasnodarskiy Kray." Mos, 1957. 18 pp 19cm. (Mos Order of Lenin Agricultural Academy im K. A. Timiryazev), 110 copies (KL, 17-57, 98)

FEDORENKO, I. N.

H.

USSR/Cultivated Plants - Grains.

Abs Jour : Ref Zhur - Biol., No 10, 1958, 44026

Author : Fedorenko, I.N.

Inst : Moscow Agricultural Academy imeni Timiryazev

Title : Methods of Combining Winter Wheat and Corn Crops in One Crop Rotation in Kuban.

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, vyp. 28, 187-195.

Abstract : The work was carried out on a production scale in Kuban during 1954-1956. The object of the study was to determine the feasibility of sowing corn in the widened space between rows for the purpose of supplimentary cultivation by tractor during the flowering-ripening phase. The purpose was to improve its role as the predecessor to the winter wheat. The spaces of 140 cm between rows wit

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FEDORENKO, I.P., kand.tekhn.nauk

Experimental investigation of the seepage capacity of hydraulic fill. Izv.VNIIG 58:222-230 '58. (MIRA 13:7)
(Hydraulic engineering)
(Soil percolation)

DOBROLYUBSKIY, O.K.; FEDORENKO, I.V.

Effect of the trace element zonc on its concentration in grapes. Nauch.dokl.vys.shkoly; biol.nauki no.2:158-161 '60. (MIRA 13:4)

1. Rekomendovana kafedroy neorganicheskoy i analiticheskoy khimii Odesskogo sel'skokhozyaystvennogo instituta.
(GRAPES--FERTILIZERS AND MANURES)
(PLANTS, EFFECT OF ZINC ON)

GABUNIYA, L.F., inzhener; FEDORENKO, K.A., inzhener.

Automatizing a small hydroelectric power plant. Elek.sta. 25 no.2:50-51 F '54. (MIRA 7:2)

(Hydroelectric power stations)

FEDORENKO A.H.

GABUNIYA, L.F., inzhener; FEDORENKO, K.A., inzhener.

Automatic apparatus for switching-in a reserve line by using a high-frequency channel. Elek.sta. 25 no.9:54 S '54.(MLRA 7:9)
(Electric apparatus and appliances)

FEDORENKO, K.A., inzh.

Experience in processing watermelon seeds. Masl.-zhir.prom. 27 no.3:44-45 Mr '61. (MIRA 14:3)

1. Vitebskiy masloekstraktsionnyy zavod.
(Vitebsk—Melons)

FEDORENKO, K.A., inzh.

From practices of the processing of peanuts. Masl.-zhir.prom. 28 no.4:39-40 Ap '62. (MIRA 15:5)

1. Vitebskiy masloekstraktsionnyy zavod.
(Peanut oil)

KALENOV, G.S.; FEDORENKO, K.Ya.

Use of the geobotanical method for geological mapping of the central Karakum. Izv. AN Turk. SSR. Ser. biol. nauk no.5: 3-12 '63. (MIRA 17:10)

1. Institut botaniki AN Turkmenskoy SSR i Tsentral'naya kompleksnaya tematicheskaya ekspeditsiya Upravleniya geologii i okhrany nedr pri Sovete Ministrov Turkmenskoy SSR.

107-57-1-52/60

AUTHOR: Fedorenko, L. (Tula)

TITLE: Electrochemical Staining of Metals. Experience Exchange (Elektrokhimicheskoye okrashivaniye metallov. Obmen opytom)

PERIODICAL: Radio, 1957, Nr 1, p 57 (USSR)

ABSTRACT: A new electrolytic method for staining objects made from iron, steel, brass, or copper is described. The electrolyte composition is: blue vitriol, 60 g; sugar, 90 g; sodium hydroxide, 45 g; water, 1 liter. Working procedures, and time elements necessary for obtaining different colors are described in the article.

AVAILABLE: Library of Congress

Card 1/1

AUTHOR: Fedorenko, L. SOV-107-58-8-45/53

TITLE: The Decorative Coloring of Aluminum and its Alloys (Dekorativnoye okrashivaniye alyuminiya i yego splavov)

PERIODICAL: Radio, 1958, Nr 8, p 49 (USSR)

ABSTRACT: The author describes a method of coloring aluminum parts by electrolysis with aniline dyes, the parts being subjected to anode oxidation with subsequent adsorption of the dye. The part to be colored is first cleaned of grease and then oxidized in a sodium bisulfate bath. The aluminum part serves as the anode and is placed between two sheets of lead, acting as cathodes. Current is supplied at 1 to 1.5 a from a storage battery and electrolysis lasts from 40-50 minutes. The oxidized part is then transferred to the dye bath, heated to 50-60°C where it remains for 15-20 min.; according to the depth of color required. The dyes needed to achieve various colors are listed and the process for gold coloring described. Some inorganic dyes which can be used in place of aniline are also listed. The part has a matte finish after dyeing. It is washed in hot water, dipped in a melted wax or paraffin bath for 2-3 minutes and wiped with gauze while still hot.

1. Aluminum--Color 2. Anilines--Applications 3. Dyes--Adsorption 4. Electrolysis--Applications

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FEDORENKO, L.I.

Diphtheria incidence in the Tatar A.S.S.R. Kaz.med.zhur. 40 no.4: 90-94 Jl-Ag '59. (MIRA 13:2)

1. Iz Respublikanskoy san-epidstantsii (glavvrach - I.Z. Mukhutdinov) i kafedry epidemiologii (zaveduyushchiy - prof. A.E. Ozol) Kazanskogo meditsinskogo instituta.
(TATAR A.S.S.R.--DIPHTHERIA)

37961

S/137/62/000/005/131/150
A160/A101

1.2300

AUTHORS: Mikhaylov, M. M., Fedorenko, L. I., Myshak, N. V., Galkin, V. A.

TITLE: The welding of the stainless 1X18H9T (1Kh18N9T) steel with a tungsten electrode in a nitrogen atmosphere

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 16, abstract 5E72 ("Tr. Sredneaz. politekhn. in-ta", 1961, no. 15, 102 - 106)

TEXT: A process of welding stainless steels in N_2 atmosphere was worked out, securing not only high mechanical properties of joints, but also eliminating intercrystalline corrosion. All test pieces were butt-welded with the help of a НИАМ АР+3Б (NIAM AR+3B) torch. The experiments yielded the following results: 1) the main difficulties during the arc-welding in N_2 with a W-electrode, such as the bubbling of the bath, seam porosity and the high consumption of electrodes, are not caused by the disintegration of unstable W-nitrides, but by the presence of O_2 in the arc burning zone. 2) The arc-welding in N_2 with a W-electrode takes a normal course and secures a high-quality seam in case N_2 does not contain more than 0.2% O_2. 3) A waste of C is noted during the arc-welding in

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